

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A rotary fluid machine comprising:
a first rotation mechanism (2F) and a second rotation mechanism (2S), each of which ~~including~~includes a cylinder (21) having an annular cylinder chamber (50);
an annular piston (22) which is contained ~~disposed~~ in the cylinder chamber (50) to be eccentric to the cylinder (21) and ~~divides, the annular piston dividing~~ the cylinder chamber (50) into an outer working chamber (51) and an inner working chamber (52); and
a blade (23) which is arranged in the cylinder chamber (50) to divide each of the working chambers (51, 52) into a high pressure region and a low pressure region, the piston (22) and the cylinder (21) serving as co-operating parts and any one of the piston (22) and the cylinder (21) being stationary and the other being ~~moving such that the moving co-operating part rotates~~ rotatable about the stationary co-operating part, ~~wherein~~
the first rotation mechanism (2F) and the second rotation mechanism (2S) are ~~arranged to be~~ being adjacent to each other with a partition plate (2e) sandwiched therebetween, and
the two moving co-operating parts (21) or the two stationary co-operating parts (22) of the first rotation mechanism (2F) and the second rotation mechanism (2S) are ~~being~~ arranged such that one of the co-operating parts is provided at one side of the ~~end partition~~ plate (2e) and the other is provided at the other side of the ~~end partition~~ plate (2e).

2. (Currently Amended) The rotary fluid machine according to claim 1, wherein

the inner working chambers (52) of the cylinder chambers (50) of the first rotation mechanism (2F) and the second rotation mechanism (2S) serve as low-stage compression chambers, and

the outer working chambers (51) of the cylinder chambers (50) of the first rotation mechanism (2F) and the second rotation mechanism (2S) serve as high-stage compression chambers.

3. (Currently Amended) The rotary fluid machine according to claim 1, wherein the outer working chambers (51) of the cylinder chambers (50) of the first rotation mechanism (2F) and the second rotation mechanism (2S) serve as compression chambers, and

the inner working chambers (52) of the cylinder chambers (50) of the first rotation mechanism (2F) and the second rotation mechanism (2S) serve as expansion chambers.

4. (Currently Amended) The rotary fluid machine according to claim 1, wherein the partition plate (2e) serves as the end plates (26) of the co-operating parts (21) of the first rotation mechanism (2F) and the second rotation mechanism (2S).

5. (Currently Amended) The rotary fluid machine according to claim 1, wherein the co-operating part (21) of the first rotation mechanism (2F) and the co-operating part (21) of the second rotation mechanism (2S) adjacent to the first rotation mechanism (2F) have individual end plates (26), and

the partition plate (2e) is formed of the end plates (26) of the co-operating parts (21) of the first and second rotation mechanisms (2F, 2S).

6. (Currently Amended) The rotary fluid machine according to claim 1, wherein the moving co-operating parts (21) of the first and second rotation mechanisms (2F, 2S) are connected to a drive shaft, (33) and each of the first rotation mechanism (2F) and the second rotation mechanism (2S) is provided with a compliance mechanism (60) for adjusting the position of the co-operating parts (21, 22) in the an axial direction of the drive shaft (33).

7. (Currently Amended) The rotary fluid machine according to claim 1, wherein the moving co-operating parts (21) of the first and second rotation mechanisms (2F, 2S) are connected to a drive shaft, (33) and each of the first rotation mechanism (2F) and the second rotation mechanism (2S) is provided with a compliance mechanism (60) for adjusting the position of the co-operating parts (21) in the a direction orthogonal to the an axial direction of the drive shaft (33).

8. (Currently Amended) The rotary fluid machine according to claim 4, wherein the moving co-operating parts (21) of the first and second rotation mechanisms (2F, 2S) are connected to a drive shaft, (33) and a balance weight (75) is provided at a part of the drive shaft (33) located between the end plates (26) of the co-operating parts of the first rotation mechanism (2F) and the second rotation mechanism (2S) adjacent to each other.

9. (Currently Amended) The rotary fluid machine according to claim 1, wherein the first rotation mechanism (2F) and the second rotation mechanism (2S) are configured to rotate with a 90° phase difference from each other.

10. (Currently Amended) The rotary fluid machine according to claim 1, wherein in each of the first and second rotation mechanisms (2F, 2S), part of the annular piston (22) is cut off such that the piston (22) is C-shaped, the blade (23) extends from the inner wall surface to the outer wall surface of the cylinder chamber (50) and passes through the cut-off portion of the piston (22) and a swing bushing is provided in the cut-off portion of the piston (22) to contact the piston (22) and the blade (23) via the surfaces thereof such that the blade (23) freely reciprocates and the blade (23) and the piston (22) make relative swings.